

**AMENDMENT****RECEIVED  
CENTRAL FAX CENTER****JUL 12 2005****IN THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Amended) An image capturing device for capturing a light ray, comprising:

a lens having a light axis;

an image sensing device on said light axis, said light ray being focused by said lens to be projected onto said image sensing device, said image sensing device including a plurality of sensing cells; and

a plurality of microlenses on said plurality of sensing cells, each wherein at least one of said plurality of microlenses having has a top surface and a bottom surface, said top surface having a plurality of one or more notches as an input window for changing an incident angle of said light ray, said bottom surface having a plurality of one or more round curves as an output window for further focusing said light ray.

2. (Amended)The device of claim 1, and further comprising at least two notches, wherein each at least a portion of said at least two of said plurality of notches has have a same slope.

3. (Amended)The device of claim 1, and further comprising at least two notches, wherein each at least a portion of said at least two of said plurality of notches has have a different slope, and said slopes decrease gradually from an outermost notch to an innermost notch.

4. (Amended)The device of claim 1, wherein each at least one of said plurality of one or more the round curves has a semicircle cross-section.

5. (Amended)The device of claim 1, wherein said image sensing device ~~is~~ comprises a charge-coupled device.

6. (Amended)The device of claim 1, wherein said image sensing device ~~is~~ comprises a CMOS device.

7. (Amended) A scanning module for scanning a document, comprising:

a chassis;

a light source on said chassis for emitting a light ray on said document;

a plurality of reflectors inside said chassis;

a lens inside said chassis;

an image sensing device inside said chassis, an image of said document being reflected by said plurality of reflectors and formed on said image sensing device, said image sensing device including a plurality of sensing cells; and

a plurality of microlenses on said plurality of sensing cells, each wherein at least one of said plurality of microlenses ~~having~~ has a top surface and a bottom surface, said top surface having a ~~plurality of one or more~~ notches as an input window for changing an incident angle of said light ray, said bottom surface having ~~a plurality of one or more~~ round curves as an output window for further focusing said light ray.

8. (Amended)The device of claim 7, and further comprising at least two notches, wherein each at least a portion of said at least two ~~of said plurality of notches has~~ have a same slope.

9. (Amended)The device of claim 7, and further comprising at least two notches, wherein each at least a portion of said at least two ~~of said plurality of notches has~~ have a different slope, and said slopes decrease gradually from an outermost notch to an innermost notch.

10. (Amended) The device of claim 7, wherein each at least one of said ~~plurality of one or more~~ round curves has a semicircle cross section. ~~11. The device of claim 7, wherein said image sensing device is~~

~~a charge-coupled device. 12. The device of claim 7, wherein said image sensing device is a CMOS device.~~

11. (Amended)The device of claim 7, wherein said image sensing device comprises a charge-coupled device.

12. (Amended)The device of claim 7, wherein said image sensing device comprises a CMOS device.